



PATENT APPLICATION
SERIAL NO. 09/985,728
ATTY. DOCKET NO. 3693-011770 (LC-413)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit 2811

In re patent application of

Lawrence N. CRANE et al.

Serial No. 09/985,728

Filed November 6, 2001

Examiner: A. Chambers

WAFFER APPLIED FLUXING AND
UNDERFILL MATERIAL, AND
LAYERED ELECTRONIC
ASSEMBLIES MANUFACTURED
THEREWITH

Pittsburgh, Pennsylvania
December 4, 2002

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Pursuant to the requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants hereby submit this Supplemental Information Disclosure Statement together with a completed Form PTO-1449 and a copy of each reference listed thereon.

This Statement is submitted under 37 CFR 1.97(e)(1) based on references cited in an International Search Report in connection with a corresponding international application. In particular, each of the references cited herein was cited in an International Search Report mailed November 13, 2002 prepared by the European Patent Office in connection with corresponding International Application No. PCT/US01/47963. A copy of

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on December 4, 2002.

Angela Sabatini
(Name of Person Mailing Paper)

Angela Sabatini
Signature

12/04/2002
Date

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IDS
J. Macmillan
12/13/02

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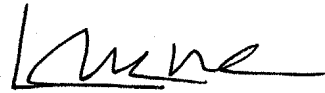
the International Search Report is also enclosed. As this Statement is submitted within three (3) months of the date of the Search Report, it is considered timely and no fee is due.

The Commissioner of Patents and Trademarks is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

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ORKIN & HANSON, P.C.

By



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
3693-011770 (LC-413)

SERIAL NO.
09/985,728

INFORMATION DISCLOSURE STATEMENT
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S)
Lawrence N. CRANE et al.

FILED
November 6, 2001

GROUP ART UNIT
2811

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AI	5	8	1	4	4	0	1		09/29/1998	Gamota et al.	428	343	
AJ													
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AB													
AC													
AD													
AE													
AF													
AG													
AH													
AK													

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
AL	9	9	0	4	4	3	0		01/28/1999	WO				
AM	9	9	5	6	3	1	2		11/04/1999	WO				
AN	0	8	0	8	8	4	64		08/30/1996	JP			Abstract	
AO														
AP														

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Rimdusit et al., "Development of new class of electronic packaging materials based on ternary systems of benzoxazine, epoxy, and phenolic resins" Polymer, Elsevier Science Publishers B.V., GB, Vol. 41, No. 22, October 2000, Pages 7941-7949
AR	Fan et al., "Adhesion comparison between thermosetting and thermoplastic resin systems based on poly(bisphenol A-co-epichlorohydrin) chemistry", 4 th International Conference on Adhesive Joining and Coating Technology in Electronics Manufacturing, Pages 243-247
AS	Johnson et al., "Reflow-curable polymer fluxes for flip chip encapsulation", Multichip Modules and High Density Packaging, 1998, pages 41-46

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 3693-011770 (LC-413)	SERIAL NO. 09/985,728
	APPLICANT(S) Lawrence N. CRANE et al.	
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							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Wang et al. "Sytheses and Characterizations of Thermally Reworkable Epoxy Resins II", Journal of Polymer Science, Part A (Polymer Chemistry) Oct. 15 2000, Wiley, USA, vVol. 38, No. 20, pages 3771-3782
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	AS	

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